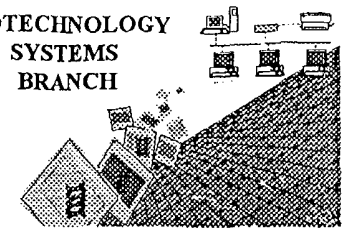
BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/721,405
Source: IFW9
Date Processed by STIC: 12/17/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY** or,
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: **TELEPHONE: 571-272-2510; FAX: 571-273-0221**

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to (EFFECTIVE 12/01/03):** U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: 10/721,405

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1_____ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2_____ Invalid Line Length — The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3_____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4_____ Non-ASCII — The submitted file was **not** saved in ASCII(DOS) text, as required by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text.**

5_____ Variable Length — Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6_____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7_____ Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8_____ Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9_____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue n or Xaa represents.

10 ✓ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11_____ Use of <220> — Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 07/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12_____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13_____ Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

IFWO

RAW SEQUENCE LISTING DATE: 12/17/2003
PATENT APPLICATION: **US/10/721,405** TIME: 07:58:39

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\12162003\J721405.raw**

3 <110> APPLICANT: Agouron Pharmaceuticals, Inc./ A Pfizer Company
5 <120> TITLE OF INVENTION: DUAL ASSAY FOR EVALUATING ACTIVITY AND CYTOTOXICITY OF
6 COMPOUNDS IN THE SAME POPULATION OF CELLS
8 <130> FILE REFERENCE: PC25522A
C--> 10 **<140> CURRENT APPLICATION NUMBER: US/10/721,405**
11 <141> CURRENT FILING DATE: 2003-11-24
13 <150> PRIOR APPLICATION NUMBER: 60/429,382
14 <151> PRIOR FILING DATE: 2002-11-25
16 <160> NUMBER OF SEQ ID NOS: 23
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 936
22 <212> TYPE: DNA
23 <213> ORGANISM: Renilla Luciferase Humanized Codons
25 <400> SEQUENCE: 1

Does Not Comply
Corrected Diskette Needed
pp 2-5

26 atgacctcca aggtgtacga ccccgagcag cgcaagcgca tgattaccgg cccccagtgg 60
28 tgggcccgct gcaagcagat gaacgtgctg gacagcttca tcaactacta cgacagcgag 120
30 aagcacgccg agaacgccgt gatcttcctg cacggcaacg ccgccagctc ctacctgtgg 180
32 cgccacgtgg tgcctcacat cgagcctgtg gcccgctgca tcatccctga cctgatcggc 240
34 atgggcaaga gcggcaagag cggcaacggc agctaccgcc tgctggacca ctacaagtac 300
36 ctgaccgcct ggttcgagct gctgaacctg cccaagaaga tcatcttcgt gggccacgac 360
38 tggggcgcct gcctggcctt ccactacagc tacgagcacc aggacaagat caaggccatc 420
40 gtgcacgccg agagcgtggt ggacgtgatc gagagctggg acgagtggcc tgacatcgag 480
42 gaggacatcg ccctgatcaa gagcgaggag ggcgagaaga tggtgctgga gaacaacttc 540
44 ttcgtggaga ccatgctgcc tagcaagatc atgcgcaagc tggagcctga ggagttcgcc 600
46 gcctacctgg agcccttcaa ggagaagggc gaggtgcgcc gccctaccct gagctggcct 660
48 cgcgagatcc ctctggtgaa gggcggcaag cctgacgtgg tgcagatcgt gcgcaactac 720
50 aacgcctacc tgcgcgccag cgacgacctg cccaagatgt tcatcgagag cgaccctggc 780
52 ttcttcagca acgccatcgt ggagggcgcc aagaagttcc ctaacaccga gttcgtgaag 840
54 gtgaagggcc tgcacttcag ccaggaggac gcccctgacg agatgggcaa gtacatcaag 900
56 agcttcgtgg agcgcgtgct gaagaacgag cagtaa 936
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 936
61 <212> TYPE: DNA
62 <213> ORGANISM: Renilla reniformis
64 <400> SEQUENCE: 2
65 atgacttcga aagtttatga tccagaacaa aggaaacgga tgataactgg tccgcagtgg 60
67 tgggccagat gtaaacaaat gaatgttctt gattcattta ttaattatta tgattcagaa 120
69 aaacatgcag aaaatgctgt tatttttta catggtaacg cggcctcttc ttatttatgg 180
71 cgacatgttg tgccacatat tgagccagta gcgcggtgta ttataccaga ccttattggt 240
73 atgggcaaat caggcaaatc tggtaatggt tcttataggt tacttgatca ttacaaatat 300
75 cttactgcat ggtttgaact tcttaattta ccaaagaaga tcatttttgt cggccatgat 360
77 tggggtgctt gtttggcatt tcattatagc tatgagcatc aagataagat caaagcaata 420

RAW SEQUENCE LISTING DATE: 12/17/2003
PATENT APPLICATION: **US/10/721,405** TIME: 07:58:39

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\12162003\J721405.raw**

```
79 gttcacgctg aaagtgtagt agatgtgatt gaatcatggg atgaatggcc tgatattgaa    480
81 gaagatattg cgttgatcaa atctgaagaa ggagaaaaaa tggttttgga gaataacttc    540
83 ttcgtggaaa ccatgttgcc atcaaaaatc atgagaaagt tagaaccaga agaatttgca    600
85 gcatatcttg aaccattcaa agagaaaggt gaagttcgtc gtccaacatt atcatggcct    660
87 cgtgaaatcc cgttagtaaa aggtggtaaa cctgacgttg tacaaattgt taggaattat    720
89 aatgcttatc tacgtgcaag tgatgattta ccaaaaatgt ttattgaatc ggacccagga    780
91 ttcttttcca atgctattgt tgaaggtgcc aagaagtttc ctaatactga atttgtcaaa    840
93 gtaaaaggtc ttcatttttc gcaagaagat gcacctgatg aaatgggaaa atatatcaaa    900
95 tcgttcgttg agcgagttct caaaaatgaa caataa                             936
98 <210> SEQ ID NO: 3
99 <211> LENGTH: 75
100 <212> TYPE: DNA
101 <213> ORGANISM: Oligonucleotide Template
103 <400> SEQUENCE: 3
104 atgacctcca aggtgtacga ccccgagcag cgcaagcgca tgattaccgg cccccagtgg     60
106 tgggcccgct gcaag                                                    75
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 38
111 <212> TYPE: DNA
112 <213> ORGANISM: Oligonucleotide Primer
114 <400> SEQUENCE: 4
115 gaatcatcta gaatgacctc caaggtgtac gaccccga                           38
118 <210> SEQ ID NO: 5
119 <211> LENGTH: 33
120 <212> TYPE: DNA
121 <213> ORGANISM: Oligonucleotide Primer
123 <400> SEQUENCE: 5
124 gttcatgaat tccttgcagc gggcccacca ctg                                33
127 <210> SEQ ID NO: 6
128 <211> LENGTH: 99
129 <212> TYPE: DNA
130 <213> ORGANISM: Oligonucleotide Template
132 <400> SEQUENCE: 6
133 gtgctggaca gcttcatcaa ctactacgac agcgagaagc acgccgagaa cgccgtgatc     60
135 ttcctgcacg gcaacgccgc cagctcctac ctgtggcgc                          99
138 <210> SEQ ID NO: 7
139 <211> LENGTH: 100
140 <212> TYPE: DNA
141 <213> ORGANISM: Oligonucleotide Primer
143 <400> SEQUENCE: 7
144 cgctcttgcc catgccgatc aggtcaggga tgatgcagcg ggccacaggc tcgatgtgag     60
146 gcaccacgtg gcgccacagg taggagctgg cggcgttgcc                        100
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 65
151 <212> TYPE: DNA
152 <213> ORGANISM: Oligonucleotide Primer
154 <400> SEQUENCE: 8
155 gaatcatcta gatgggcccg ctgcaagcag atgaacgtgc tggacagctt catcaactac     60
157 tacga                                                              65
```

invalid response – see item 10 on Error Summary Sheet

RAW SEQUENCE LISTING DATE: 12/17/2003
PATENT APPLICATION: **US/10/721,405** TIME: 07:58:39

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\12162003\J721405.raw**

```
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 70
162 <212> TYPE: DNA
163 <213> ORGANISM: Oligonucleotide Primer
165 <400> SEQUENCE: 9
166 acttgtagtg gtccagcagg cggtagctgc cgttgccgct cttgccgctc ttgcccatgc      60
168 cgatcaggtc                                                          70
171 <210> SEQ ID NO: 10
172 <211> LENGTH: 98
173 <212> TYPE: DNA
174 <213> ORGANISM: Oligonucleotide Template
176 <400> SEQUENCE: 10
177 cgagctgctg aacctgccca agaagatcat cttcgtgggc cacgactggg gcgcctgcct      60
179 ggccttccac tacagctacg agcaccagga caagatca                            98
182 <210> SEQ ID NO: 11
183 <211> LENGTH: 99
184 <212> TYPE: DNA
185 <213> ORGANISM: Oligonucleotide template
187 <400> SEQUENCE: 11
188 cctcctcgat gtcaggccac tcgtcccagc tctcgatcac gtccaccacg ctctcggcgt      60
190 gcacgatggc cttgatcttg tcctggtgct cgtagctgt                           99
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 70
195 <212> TYPE: DNA
196 <213> ORGANISM: Oligonucleotide Primer
198 <400> SEQUENCE: 12
199 accgcctgct ggaccactac aagtacctga ccgcctggtt cgagctgctg aacctgccca      60
201 agaagatcat                                                          70
204 <210> SEQ ID NO: 13
205 <211> LENGTH: 52
206 <212> TYPE: DNA
207 <213> ORGANISM: Oligonucleotide Primer
209 <400> SEQUENCE: 13
210 catgatgaat tctgatcagg gcgatgtcct cctcgatgtc aggccactcg tc             52
213 <210> SEQ ID NO: 14
214 <211> LENGTH: 97
215 <212> TYPE: DNA
216 <213> ORGANISM: Oligonucleotide Template
218 <400> SEQUENCE: 14
219 gagaagatgg tgctggagaa caacttcttc gtggagacca tgctgcctag caagatcatg      60
221 cgcaagctgg agcctgagga gttcgccgcc tacctgg                             97
224 <210> SEQ ID NO: 15
225 <211> LENGTH: 99
226 <212> TYPE: DNA
227 <213> ORGANISM: Oligonucleotide Template
229 <400> SEQUENCE: 15
230 cttcaccaga gggatctcgc gaggccagct cagggtaggg cggcgcacct cgcccttctc      60
232 cttgaagggc tccaggtagg cggcgaactc ctcaggctc                           99
235 <210> SEQ ID NO: 16
```

RAW SEQUENCE LISTING DATE: 12/17/2003
PATENT APPLICATION: **US/10/721,405** TIME: 07:58:39

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\12162003\J721405.raw**

```
236 <211> LENGTH: 62
237 <212> TYPE: DNA
238 <213> ORGANISM: Oligonucleotide Primer
240 <400> SEQUENCE: 16
241 gatacatcta gatgatcaag agcgaggagg gcgagaagat ggtgctggag aacaacttct     60
243 tc                                                                   62
246 <210> SEQ ID NO: 17
247 <211> LENGTH: 67
248 <212> TYPE: DNA
249 <213> ORGANISM: Oligonucleotide Primer
251 <400> SEQUENCE: 17
252 agttgcgcac gatctgcacc acgtcaggct tgccgccctt caccagaggg atctcgcgag     60
254 gccagct                                                            67
257 <210> SEQ ID NO: 18
258 <211> LENGTH: 100
259 <212> TYPE: DNA
260 <213> ORGANISM: Oligonucleotide Template
262 <400> SEQUENCE: 18
263 cgcgccagcg acgacctgcc caagatgttc atcgagagcg accctggctt cttcagcaac     60
265 gccatcgtgg agggcgccaa gaagttccct aacaccgagt                          100
268 <210> SEQ ID NO: 19
269 <211> LENGTH: 100
270 <212> TYPE: DNA
271 <213> ORGANISM: Oligonucleotide Template
273 <400> SEQUENCE: 19
274 agctcttgat gtacttgccc atctcgtcag gggcgtcctc ctggctgaag tgcaggccct     60
276 tcaccttcac gaactcggtg ttagggaact tcttggcgcc                          100
279 <210> SEQ ID NO: 20
280 <211> LENGTH: 69
281 <212> TYPE: DNA
282 <213> ORGANISM: Oligonucleotide Primer
284 <400> SEQUENCE: 20
285 cctgacgtgg tgcagatcgt gcgcaactac aacgcctacc tgcgcgccag cgacgacctg     60
287 cccaagatg                                                           69
290 <210> SEQ ID NO: 21
291 <211> LENGTH: 72
292 <212> TYPE: DNA
293 <213> ORGANISM: Oligonucleotide Primer
295 <400> SEQUENCE: 21
296 tcgatagaat tcttactgct cgttcttcag cacgcgctcc acgaagctct tgatgtactt     60
298 gcccatctcg tc                                                       72
301 <210> SEQ ID NO: 22
302 <211> LENGTH: 22
303 <212> TYPE: DNA
304 <213> ORGANISM: Primers used for Mutagenesis
306 <400> SEQUENCE: 22
307 cctctgtatc atatatgctt ta                                            22
310 <210> SEQ ID NO: 23
311 <211> LENGTH: 22
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RAW SEQUENCE LISTING DATE: 12/17/2003
PATENT APPLICATION: **US/10/721,405** TIME: 07:58:39

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\12162003\J721405.raw**

312 <212> TYPE: DNA
313 <213> ORGANISM: Primers used for Mutagenesis
315 <400> SEQUENCE: 23
316 taaagcatat atgatacaga gg 22

VERIFICATION SUMMARY DATE: 12/17/2003
PATENT APPLICATION: **US/10/721,405** TIME: 07:58:40

Input Set : **A:\PTO.YF.txt**
Output Set: **N:\CRF4\12162003\J721405.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number